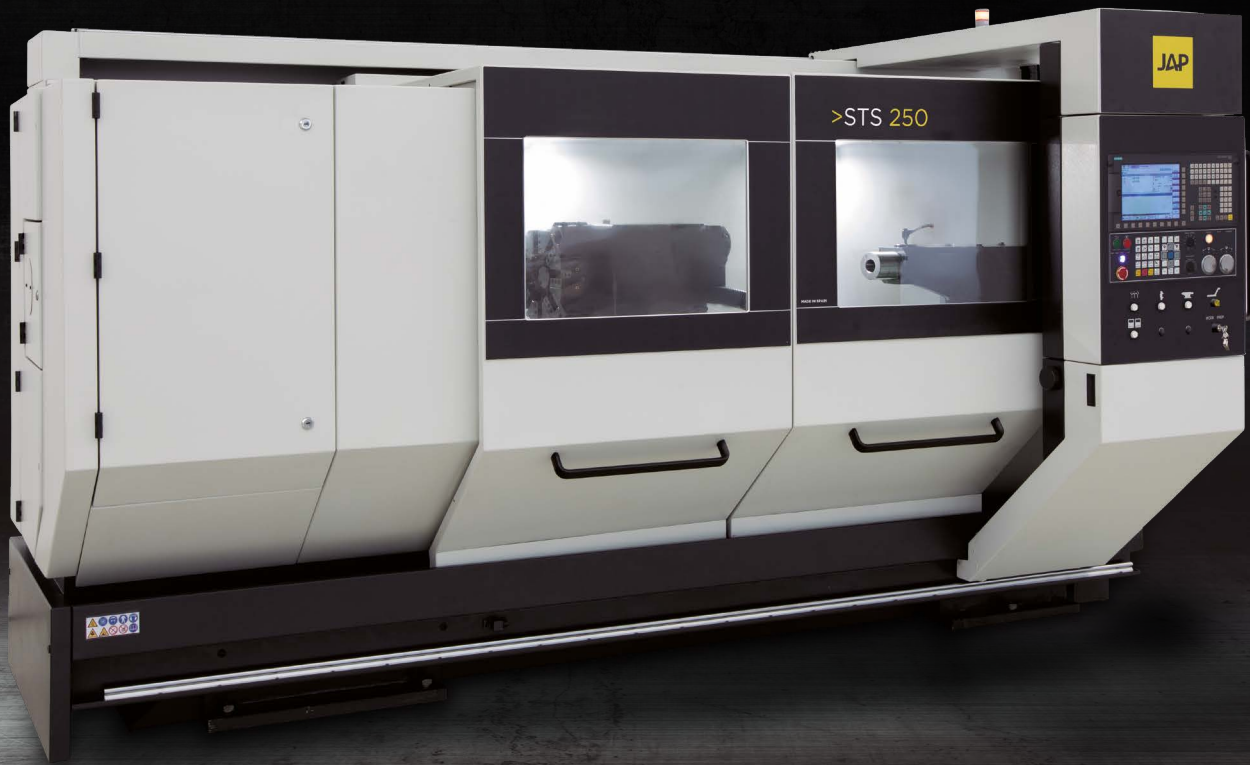


## Work speed and versatility in up to 3 axis

The new STS CNC lathe series is versatile, fast and accurate, developed under the robust quality standards of the JAP premium technology. The new JAP beds provides increased rigidity improving the dimensional and thermal stability of the machine and reduces the level of vibration during the machining process.

The STS series has a headstock equipped with a belt-drive servomotor and a high quality and low run-out main spindle, providing a lathe with high spindle speed, reduced noise level and high quality surface finish capability. The JAP STS are lathes with up to 3 axes that provide extraordinary versatility in the world of machine tools.



### STANDARD EQUIPMENT

- Fanuc Oi-TF Control
- Dynamic graphics / trajectory
- Profile Editor
- Electronic handwheel for X and Z axes
- Increased width and stiffness of the bed
- Direct drive headstock with servomotor
- High precision main spindle
- Reducing bush of main shaft and dead centers
- 8-position automatic turret with 4 toolholders
- Automatic lubrication of the guideways
- Refrigeration equipment
- Cast iron pedestals
- Precision Levellers
- LED Work light
- Instruction manual
- Verification standard DIN 8605
- CE Standard

### OPTIONAL EXTRAS

- Control Fagor 8055T, Siemens 828D
- C-axis
- Chucks with 3 and 4 jaws
- Rear chuck
- Hydraulic power chuck
- Hydraulic collect chuck
- Hydraulic tailstock
- Fixed Steady Rest
- Large capacity fixed steady rest
- Follow Rest
- Livetool 12 positions
- Live center
- Chip conveyor
- Electric transformer
- Higher pressure cooling system
- Electric panel refrigeration
- Anti-vibration kit
- Remote jog unit
- Tool Presetter
- Bar feeder

		STS-200		STS-250				STS-350			
<b>Working capacity</b>											
Distance between centres	mm / in	1000/40	1500/60	1000/40	1500/60	2000/80	3000/120	1000/40	2000/80	3000/120	
Bed width	mm / in	300 / 11 <sup>3/4</sup>		350 / 13 <sup>3/4</sup>				425 / 16 <sup>3/4</sup>			
Centre height	mm / in	200 / 7 <sup>3/4</sup>		250 / 9 <sup>3/4</sup>				350 / 13 <sup>3/4</sup>			
Ø max. swing over bed	mm / in	400 / 15 <sup>3/4</sup>		500 / 19 <sup>1/2</sup>				700 / 27 <sup>1/2</sup>			
Ø max. swing over carriage	mm / in	360 / 14		450 / 17 <sup>1/2</sup>				600 / 23 <sup>1/2</sup>			
Ø max. over cross slide	mm / in	200 / 7 <sup>3/4</sup>		290 / 11 <sup>1/4</sup>				400 / 15 <sup>3/4</sup>			
Cross slide travel	mm / in	235 / 9		310 / 12				400 / 15 <sup>3/4</sup>			
Length inal carriage travel	mm / in	850	1350	850	1350	1850	2850	850	1850	2850	
<b>Headstock</b>											
Main motor power	Fagor	7,5		15				17			
	Fanuc	11		15				15			
	Siemens	7		9				11			
Headstock main spindle bore <i>Valid for all centre distances</i>	mm / in	42 / 1 <sup>1/2</sup>		65 / 2 <sup>1/2</sup>				80 / 3	105 / 4	155 / 6	
Main spindle nose	ASA	A2 - 5		A2 - 6				A2 - 8		A2-11	
Main spindle nose taper	MT	4		5				5		5	
Speed ranges	r.p.m.	0-4000		0-3000				0-2500	0-2500	0-1000	
<b>X-axis, Z-axis</b>											
Working feeds Z	Fagor	m/min	0 - 10		0 - 10				0 - 8.5		
	Fanuc	m/min	0 - 10		0 - 10				0 - 10		
	Siemens	m/min	0 - 7		0 - 7				0 - 5		
Working feeds X	Fagor	m/min	0 - 12		0 - 12				0 - 6		
	Fanuc	m/min	0 - 12		0 - 12				0 - 12		
	Siemens	m/min	0 - 12		0 - 12				0 - 6		
Rapid traverse Z	Fagor	m/min	12.5		12.5				10		
	Fanuc	m/min	12.5		12.5				12.5		
	Siemens	m/min	9		9				6.5		
Rapid traverse X	Fagor	m/min	15		15				7.5		
	Fanuc	m/min	15		15				15		
	Siemens	m/min	15		15				7.5		
Z - Ball screw, Ø/pitch	mm			40 / 10				50 / 10			
X - Ball screw, Ø/pitch	mm			20 / 5				32 / 5			
<b>Tailstock</b>											
Tailstock barrel Ø	mm / in	68 / 2 <sup>1/2</sup>		95 / 3 <sup>3/4</sup>				106 / 4			
Tailstock barrel travel	mm / in	200 / 7 <sup>3/4</sup>		220 / 8 <sup>1/2</sup>				225 / 8 <sup>3/4</sup>			
Tailstock Morse taper	MT	4		5				6			
<b>Turret</b>											
Stations of standard turret		8		8							
Tool shank	mm	25x25		25x25							
Ø Boring bar	mm	32		40							
<b>Dimensions and Weight</b>											
Length	mm	2810	3300	2800	3325	3940	4750	3290	4290	5290	
Width	mm	1260		1350		1700		2170			
Height	mm	1890		1810		2110		2090			
Weight	kg	2230	2340	2250	2475	2970	3640	5460	5760	6560	
<b>Options</b>											
Fixed steady rest Ø	mm	10 - 140		10 - 180				90 - 300			
Large capacity fixed steady rest Ø	mm	140 - 250		180 - 400				300 - 530			
Mobile Steady Rest Ø	mm	10 - 90		10 - 130				70 - 290			
<b>Dimensions and Weight with packaging</b>											
Length	mm	3010	3500	3000	3525	4140	4950	3490	4490	5490	
Width	mm	1360		1450		1800		2270			
Height	mm	2090		2010		2310		2290			
Weight	kg	2530	2640	2650	2875	3370	4040	5860	6160	6960	

Note: The data is merely informative and subject to change according to the needs of the company.